Creating Ideas Applying Values

STRUCT GEOTECH RESEARCH LABORATORIES (P) LTD

BSCIC ISO 9001 REGISTERED JAS-ANZ BN1868/1500:0210

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SGRL//BBMP/RRNZ/2014-15/302 31.05.2014

To
The Assistant Executive Engineer
Rajarajeshwarinagara Projects
Bruhath Bangalore Mahanagara Palike
Bangalore

Sir,

Sub: Quality Control Tests on materials for the work of Construction of compound wall to children play area, kerb painting & other development in JP park in ward no.17 RRN Zone

Ref: 1. W.O. No. EE/QC/Div-2/PR/324/11-12, dt. 18.03.2013
2. Letter no. NO/AEE(P)/RRNZ/BBMP/PR/2013-14, dt: 27.02.2014

With reference to the above cited subject, herewith we are submitting the reports pertaining 40mm Aggregate, 20mm Aggregate, Sand, Cement & Bricks test reports. Kindly acknowledge the same upon receipt of Test reports.

This is for your kind information.

Thanking you

Yours faithfully

For Struct Geotech Research Laboratories Private Limited

Authorized Signature

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ರಾಜರಾಜೇಶ್ವರಿನಗರ ಯೋಜನೆ ಉಪ-ವಿಭಾಗ-02
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Report No.: SGRL / CM /895/ 14 - 15

20.05.2014

TEST REPORT

Client*	:	The Assistant Executive Engineer Rajarajeshwarinagara Projects Bruhath Bengaluru Mahanagara Palike Bangalore
Client Reference*	:	AEE(P)/RRNZ/BBMP/PR/2013-14, dt:27.02.2014
Job Reference *	:	EE/QC/Div-2/PR/324/11-12, dated 18.03.2013
CSR No.	:	CM 294, dt: 20.05.2014
Name of the work*	:	Construction of Compound wall to children Play area, Kerb painting & other Development in J.P Park in ward no.17 RRN Zone
Contractor*	:	M/s. K R I D L
Source of Sample	:	Sample supplied of TPIA
Sample Id*	:	J.P Park in ward no.17 RRN Zone – PCC 1:4:8 Compound Wall bed concrete work
Date of receipt	:	20.05.2014
Date of testing	:	20.05.2014
Type of sample	:	Coarse Aggregate - 40mm and down size
Name of test	:	Sieve Analysis

IS Sieve Designation	Cumulative Percent Passing		Test Method
	Test Result	Requirement as per Table – 1000-1 of MoRT&H	
63.00 mm	100	100	IS: 2386 (Part 1) - 1963
40.00 mm	96.8	95 -100	
20.00 mm	40.35	30 - 70	
10.00 mm	14.40	10 -35	
4.75 mm	2.30	0 - 5	

For Struct Geotech Research Laboratories Pvt. Ltd.,

Authorized Signature

B. Venkata Subramanyam
Executive Director

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ರಾಜರಾಜೇಶ್ವರಿನಗರ ಯೋಜನೆ ಉಪ-ವಿಭಾಗ-02
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Note: (i) The Results relate only to the items tested (ii) This test report should not be reproduced except in full, without written approval of this laboratory (iii) Any corrections invalidates this report (iv) Any Query regarding the report must be reported immediately

***Information as furnished by TPIA**

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Report No.: SGRL / CM /896/ 14 - 15 20.05.2014

TEST REPORT

Client*	:	The Assistant Executive Engineer Rajarajeshwarinagara Projects Bruhath Bengaluru Mahanagara Palike Bangalore
Client Reference*	:	AEE(P)/RRNZ/BBMP/PR/2013-14, dt:27.02.2014
Job Reference *	:	EE/QC/Div-2/PR/324/11-12, dated 18.03.2013
CSR No	:	CM 294, dt: 20.05.2014
Name of the work*	:	Construction of Compound wall to children Play area, Kerb painting & other Development in J.P Park in ward no.17 RRN Zone
Contractor*	:	M/s. K R I D L
Source of Sample	:	Sample supplied of TPIA
Sample Id*	:	J.P Park in ward no.17 RRN Zone – M15 for Copping concrete work
Date of receipt	:	20.05.2014
Date of testing	:	20.05.2014
Type of sample	:	Coarse Aggregate - 20mm and down size
Name of test	:	Sieve Analysis

IS Sieve Designation	Cumulative Percent Passing		Test Method
	Test Result	Requirement as per Table – 1000-1 of MoRT&H	
40.00 mm	100	100	IS: 2386 (Part 1) - 1963
20.00 mm	95.04	95-100	
10.00 mm	25.74	25-55	
4.75 mm	1.39	0-10	

For Struct Geotech Research Laboratories Pvt. Ltd.,

Authorized Signature

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Executive Director

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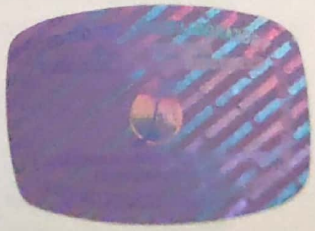

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STRUCT GEOTECH RESEARCH LABORATORIES PVT LTD.,

NABL ACCREDITED ISO / IEC 17025: 2005 LABORATORY

CERTIFICATE NO. T-1507

Report No.: SGRL / CM /897/ 14 - 15

20.05.2014

TEST REPORT

Client*	:	The Assistant Executive Engineer Rajarajeshwarinagara Projects Bruhath Bengaluru Mahanagara Palike Bangalore
Client Reference*	:	AEE(P)/RRNZ/BBMP/PR/2013-14, dt:27.02.2014
Job Reference*	:	EE/QC/Div-2/PR/324/11-12,dated 18.03.2013
CSR No.	:	CM 294, dt: 20.05.2014
Name of the Project*	:	Construction of Compound wall to children Play area, Kerb painting & other Development in J.P Park in ward no.17 RRN Zone
Contractor*	:	M/s. K R I D L
Source of Sample	:	Sample supplied of TPIA
Sample ID*	:	J.P Park in ward no.17 RRN Zone – PCC 1:4:8 & M15 Compound wall bed & Cooping concrete work
Type of Sample	:	Sand
Name of Test	:	Sieve Analysis
Date of Receipt	:	20.05.2014
Date of Testing	:	20.05.2014
Test Method	:	IS : 2386 (Part 1) 1963

Sl. No.	Sieve Size (mm)	Weight Retained	% Weight Retained	Cumulative % of Weight Retained	% of Weight Passing	Specifications as Per MoRT&H
1	10	0.00	0.00	0.00	100.00	100.00
2	4.75	10.20	2.04	2.04	97.96	90-100
3	2.36	23.56	4.71	6.75	93.25	75-100
4	1.18	130.23	26.05	32.80	67.20	55-90
5	0.60	150.29	30.06	62.86	37.14	35-59
6	0.30	126.54	25.31	88.16	11.84	8-30
7	0.15	50.23	10.05	98.21	1.79	0-10

The Sand tested conforms to Zone II as per MoRT& H (Fourth Revision)

For Struct Geotech Research Laboratories Private Limited

Authorised Signature

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***Information as furnished by the TPIA**

No.: 588, 2nd Main, 6th Block, Hosekerehalli Cross, Banashankari III Stage, II Phase, Bangalore- 560 085

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STRUCT GEOTECH RESEARCH LABORATORIES PVT LTD.,

NABL ACCREDITED ISO / IEC 17025: 2005 LABORATORY

CERTIFICATE NO. T-1507

Report No.: SGRL / CM /898/ 14-15

TEST REPORT

30.05.2014

Client*	:	The Assistant Executive Engineer Rajarajeshwarinagara Projects Bruhath Bengaluru Mahanagara Palike Bangalore
Client Reference*	:	AEE(P)/RRNZ/BBMP/PR/2013-14, dt:27.02.2014
Job Reference *	:	EE/QC/Div-2/PR/324/11-12, dated 18.03.2013
CSR No	:	CM 294, dt: 20.05.2014
Name of the work*	:	Construction of Compound wall to children Play area, Kerb painting & other Development in J.P Park in ward no.17 RRN Zone
Contractor*	:	M/s. K R I D L
Source of Sample	:	Sample supplied of TPIA
Sample Id*	:	J.P Park in ward no.17 RRN Zone – PCC 1:4:8 & M15 Compound wall bed & Cooping concrete work
Date of receipt	:	20.05.2014
Date of testing	:	20.05.2014 to 30.05.2014
Type of Sample	:	Cement

Type of Cement*: OPC **Grade of Cement*:** 53 **Brand*:** Birla Super

Sl. No.	Description	Test Result	Requirements as per IS: 12269-1987	Test Method
1.	Setting Time			
	a) Initial Setting Time	180 min	Min.30 min	IS 4031 (Part V)
	b) Final Setting Time	410 min	Max.600 min	
2.	Standard Consistency	29.0 %	-	IS: 4031 (Part IV)
3.	Compressive Strength (i) 3 days (72 ± 1h) (average of three results)	28.0 N/mm^2	Not less than 27 N/mm^2	IS: 4031 (Part VI)

For Struct Geotech Research Laboratories Pvt. Ltd.,

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***Information as furnished by TPIA**

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Report No.: SGRL/CM/899/14-15

30.05.2014

TEST REPORT

Client*	:	The Assistant Executive Engineer Rajarajeshwarinagara Projects Bruhath Bengaluru Mahanagara Palike Bangalore
Client Reference*	:	AEE(P)/RRNZ/BBMP/PR/2013-14, dt:27.02.2014
Job Reference *	:	EE/QC/Div-2/PR/324/11-12, dated 18.03.2013
CSR No	:	CM 294, dt: 20.05.2014
Name of the work*	:	Construction of Compound wall to children Play area, Kerb painting & other Development in J.P Park in ward no.17 RRN Zone
Contractor*	:	M/s. K R I D L
Source of Sample	:	Sample supplied of TPIA
Sample Id*	:	J.P Park in ward no.17 RRN Zone – Masonry Wall construction work
Date of receipt	:	20.05.2014
Date of testing	:	30.05.2014
Type of Sample	:	Burnt Clay Bricks

I. COMPRESSIVE STRENGTH

Sl. No	Brick ID	Measured Size (mm)	Failure Load (kN)	Compressive Strength (N/mm^2)	Average (N/mm^2)	Test Method
1	CM294-I1	225.1 x 125.2	152	5.39	5.5	IS 3495 (Part 1) 1992
2	CM294-I2	225.2 x 124.2	155	5.54		
3	CM294-I3	225.1 x 124.5	156	5.57		

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**** End of Test Report****

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